

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/09/2022 08:49 AM
Cytometer Baseline: 06/07/2022 10:19 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 10398 **Expiration Date:** 01/31/2023
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124973	-1	1.68	124867	1.65
Blue	F	SSC	125000	124885	-1	3.36	125452	3.23
Blue	E	FITC	15860	15312	-4	2.46	374	14.20
Blue	D	PE	27718	27235	-2	1.91	635	10.37
Blue	B	PerCP-Cy5-5	38046	37246	-3	3.13	1015	15.08
Blue	A	PE-Cy7	26092	25778	-2	5.01	505	31.17
Red	C	APC	49104	48349	-2	2.58	1701	11.26
Red	A	APC-Cy7	28201	27356	-3	3.00	720	12.17
Violet	B	V450	9904	9416	-5	4.04	525	12.09
Violet	A	V500	39004	37803	-4	3.61	991	9.01

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24051	1.90	571	2	N/A	N/A	Pass
Blue	F	SSC	55618	1.92	523	-5	N/A	N/A	Pass
Blue	E	FITC	58	57.86	493	2	0.0452	214	Pass
Blue	D	PE	124	39.20	499	3	0.4575	391	Pass
Blue	B	PerCP-Cy5-5	139	45.85	591	2	0.0195	88	Pass
Blue	A	PE-Cy7	64	95.55	634	2	0.0210	4	Pass
Red	C	APC	326	26.36	577	-4	0.0287	162	Pass
Red	A	APC-Cy7	96	42.62	549	-6	0.0064	1248	Pass
Violet	B	V450	85	51.19	463	5	0.0532	2256	Pass
Violet	A	V500	124	34.03	475	6	0.0253	1514	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.64 - 71.46	N/A	N/A	-32.13	-31.73	1.02
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	16.23	13.90 - 20.86	N/A	N/A	29.98	30.36	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11134

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments